



Opportunity Through Education

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## Memo

**TO:** Joint Education Interim Committee

**FROM:** Dr. Michelle Aldrich, Career & Technical Education Director  
Leslie Zimmerschied, School Foundation Program Supervisor

**DATE:** May 31, 2022

**SUBJECT:** Career and Technical Education

This memo contains information on Career and Technical Education (CTE) funding provided to school districts for these programs, from the K-12 funding model and federal grants, how those funds are expended, and the programs offered and administered by school districts.

### **School District Funding–School Foundation and Federal Perkins Funds**

Career and Technical Education in Wyoming is supported by both state and federal funds. The federal Perkins V FY21 award was \$5,392,734 of which \$2,229,229 was awarded in initial allocations to the 37 districts that applied for the grant. Allowable uses include the purchase of equipment, supplies, and professional development as outlined in Perkins V.

Districts participating in Perkins funding are eligible for additional federal grant funding for professional development and cutting edge innovation and technology. In FY21 districts and individual educators accessed an additional \$407,340 in funding through Cutting Edge Professional Development and Workforce Discovery grants.

In accordance with W.S. 21-13-309(m)(v)(D) and Chapter 8 of Wyoming Rules and Regulations, the Wyoming Funding Model (the Model) provides resources for additional CTE staffing as well as CTE supplies and equipment. Additional CTE teachers are generated in the Model by calculating the number of full-time equivalent students enrolled in CTE courses during a snapshot window in October and February. A weighting of 29% is applied to determine a total weighted student count in each district. The Model generates one additional CTE teacher for every 21 CTE students in the weighted count. This process was initially developed by MPR and Associates in a [2002 study](#) of vocational education in Wyoming to provide for lower CTE class sizes. The Model also provides an amount for CTE supplies and equipment, which is subject to the ECA, and equaled \$10,313.88 per CTE teacher FTE in FY21.

The Model resourced a total of \$6,223,287 in FY21 for CTE funding. Combined with the Perkins allocation for districts of \$2,229,228.42, additional Perkins grants of \$407,340.07, and \$250,000.00 in State CTE Demonstration grants, the districts received a total of \$9,109,855.46 in 2021.

## Funds Expended

Table 1 contains the total expenditures by district for the 2020-21 school year. This includes funding from state and federal sources.

**Table 1. Total Expenditures 2020-2021**

Function	Object	01 General Fund	20 Special Revenue	2020-21 State Total
Instruction	Salaries and Benefits	\$ 23,161,831.28	\$ 426,063.14	\$ 23,587,894.42
	Purchased Services	\$ 100,935.47	\$ 119,821.42	\$ 220,756.89
	Supplies and Materials	\$ 1,623,407.10	\$ 1,443,176.49	\$ 3,066,583.59
	Capital Outlay	\$ 99,217.07	\$ 881,997.16	\$ 981,214.23
	Other	\$ 12,863.99	\$ 1,560.80	\$ 14,424.79
<b>Instruction Total</b>		<b>\$ 24,998,254.91</b>	<b>\$ 2,872,619.01</b>	<b>\$ 27,870,873.92</b>
Instructional Support	Salaries and Benefits		\$ 15,056.69	\$ 15,056.69
	Purchased Services		\$ 30,292.59	\$ 30,292.59
	Supplies and Materials		\$ 16,109.71	\$ 16,109.71
<b>Instructional Support Total</b>			<b>\$ 61,458.99</b>	<b>\$ 61,458.99</b>
Support Services– General Support	Purchased Services		\$ 5,322.38	\$ 5,322.38
	Other		\$ 17,769.44	\$ 17,769.44
<b>Support Services – General Support Total</b>			<b>\$ 23,091.82</b>	<b>\$ 23,091.82</b>
<b>Grand Total</b>		<b>\$ 24,998,254.91</b>	<b>\$ 2,957,169.82</b>	<b>\$ 27,955,424.73</b>

**Table 2. State Enrollment and CTE Staffing since 2012**

School Year	Secondary 7-12 CTE Teachers FTE	Secondary 7-12 Non-CTE Teachers FTE	Total Secondary 7-12 Teachers FTE	Secondary 7-12 Enrollment	K-12 Total Enrollment
2012-13	448.91	2,965.45	3,414.36	39,996	90,993
2013-14	438.21	2,984.70	3,422.90	40,200	92,218
2014-15	433.01	3,011.01	3,444.01	40,468	93,303
2015-16	429.86	3,028.60	3,458.46	40,909	94,002
2016-17	417.92	3,009.52	3,427.44	40,998	93,261
2017-18	397.26	2,931.94	3,329.20	41,361	92,976
2018-19	392.89	2,942.35	3,335.24	41,951	93,029
2019-20	398.13	3,018.12	3,416.25	42,988	93,832
2020-21	410.89	3,095.40	3,506.29	43,360	91,938
2021-22	402.53	3,025.02	3,427.56	43,694	91,992

While the total number of secondary teachers employed in Wyoming schools has fluctuated over time, the number of CTE staff has declined.

### Programs Offered

In 2021-2022, Wyoming high schools offered 3,434 Career and Technical Education courses in 13 industry sectors. The courses in descending order are listed below with the students enrolled in those courses noted.

Industry Sector	Number of Courses	Students Enrolled
Agriculture, Food, and Natural Resources	514	5,342
Human Services	443	8,519
Business and Marketing	422	8,350
Information Technology	408	6,385
Manufacturing	290	6,462
Architecture and Construction	244	4,508
Communication and Audio/Visual Technology	234	3,157